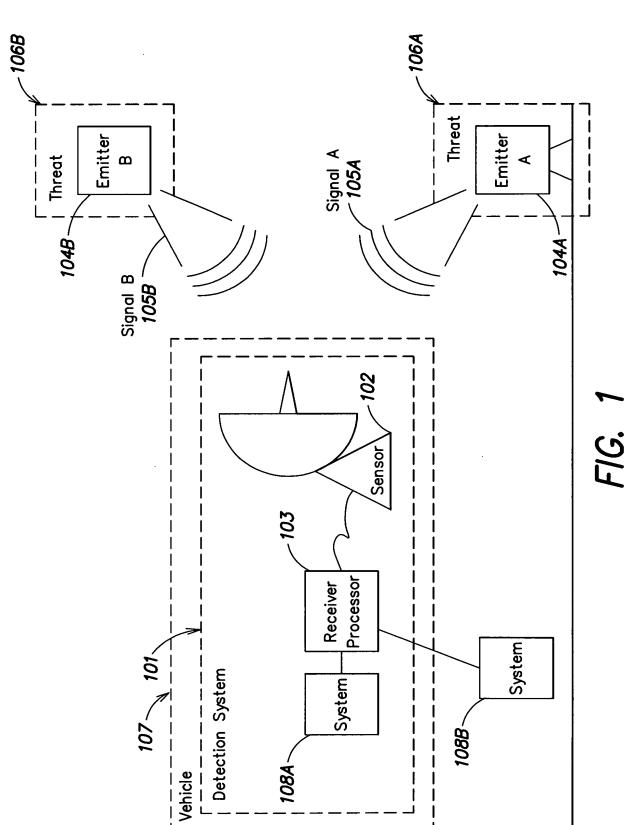
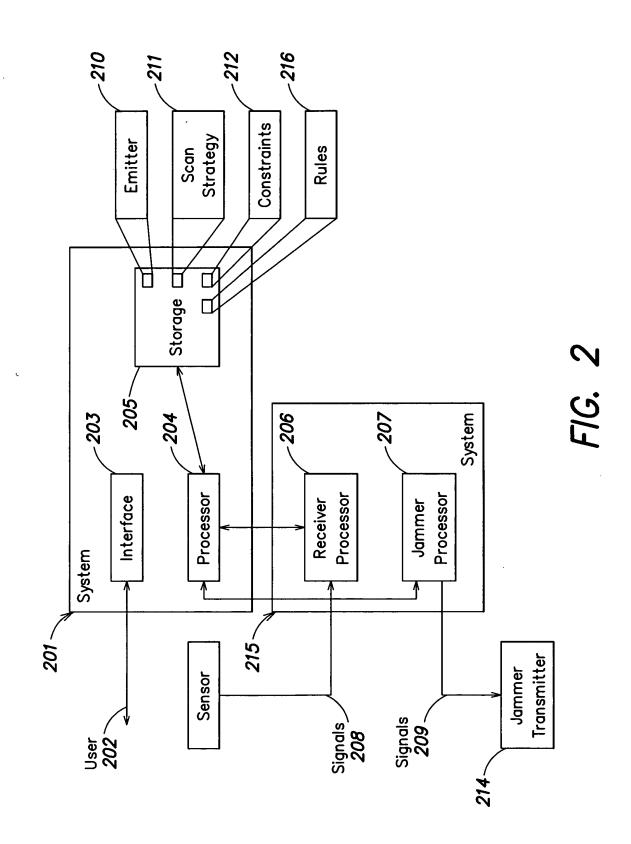
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System And Method For Correction Of Discontinuities In An Antenna Model

GOUNALIS, Anthony J.
Serial No.: 10/675,390
Docket No.: L0562.70040US00



System And Method For Correction Of Discontinuities In An Antenna Model GOUNALIS, Anthony J.
Serial No.: 10/675,390
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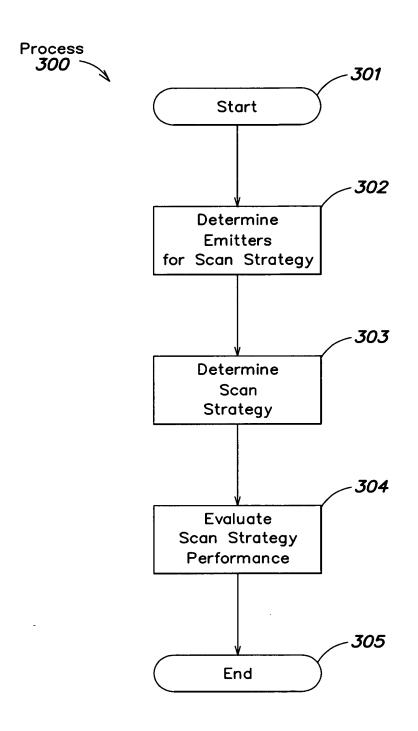


FIG. 3

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	Emitter Database  402  Emitter Parameters						
1	Emitter Model	Dwell Solution(s)	Constraints	Rules			
			•	,			
N							

FIG. 4

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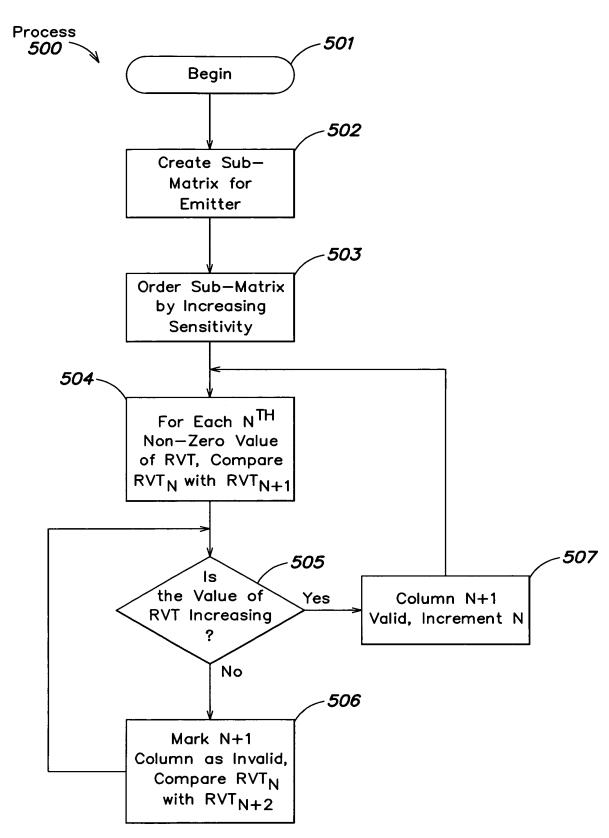
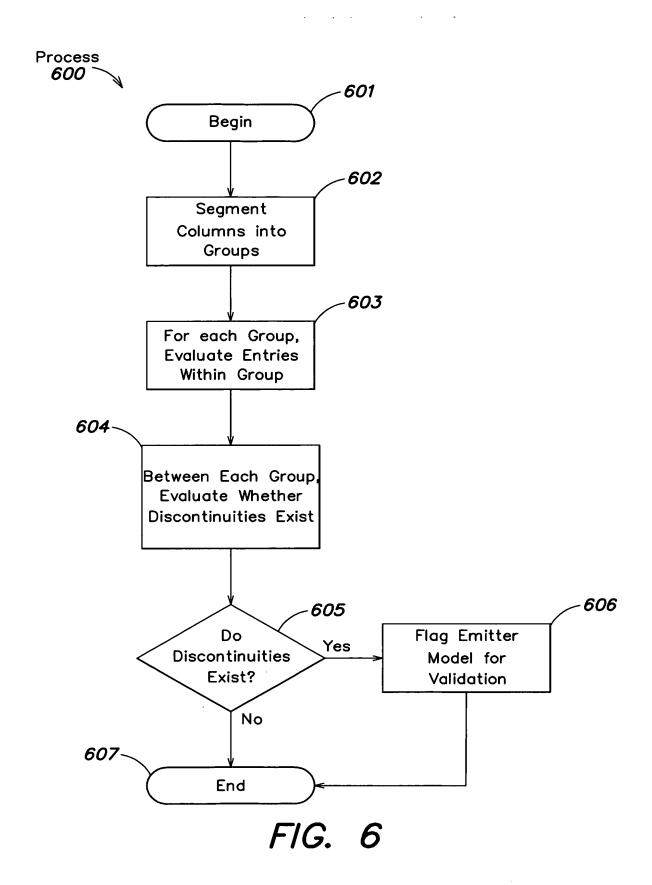
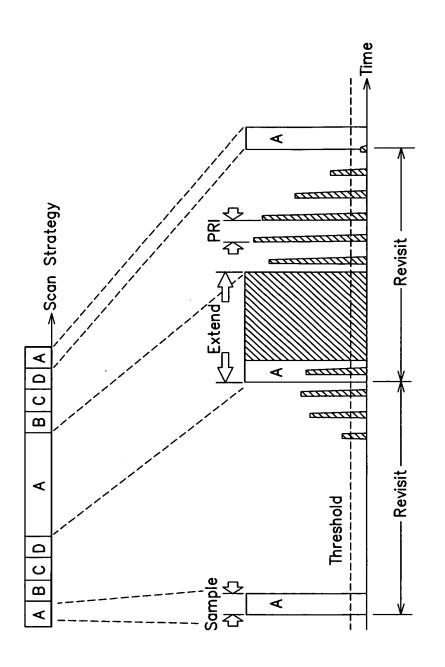


FIG. 5

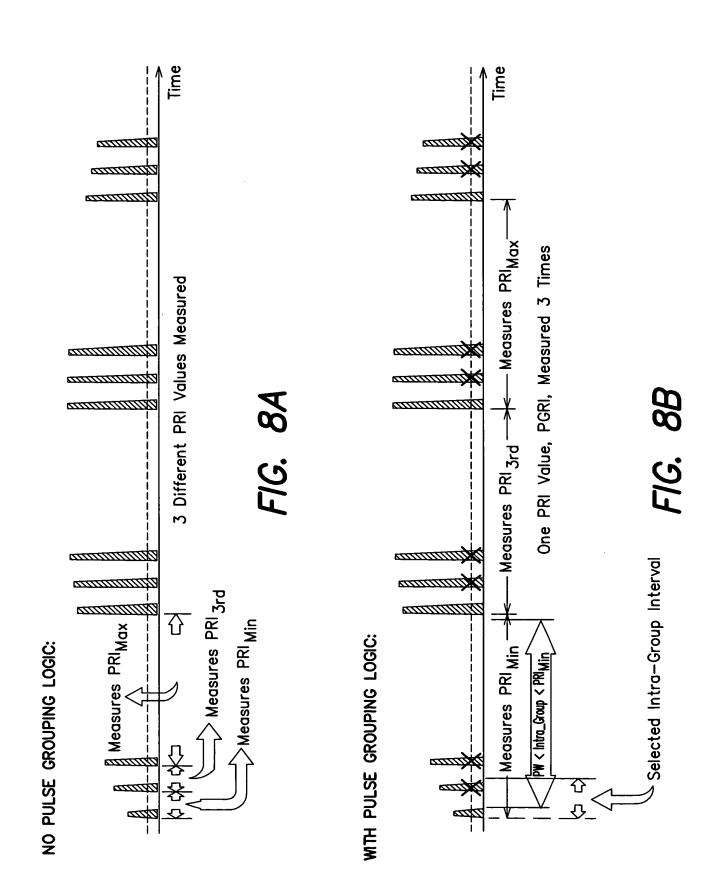
GOUNALIS, Anthony J. Serial No.: 10/675,390



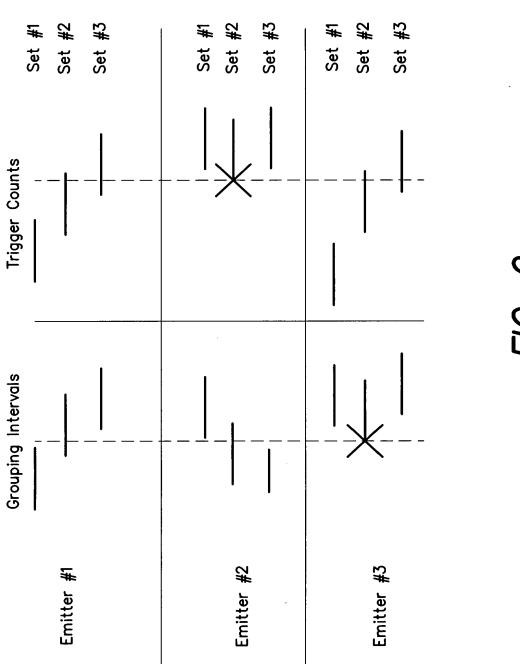
Serial No.: 10/675,390



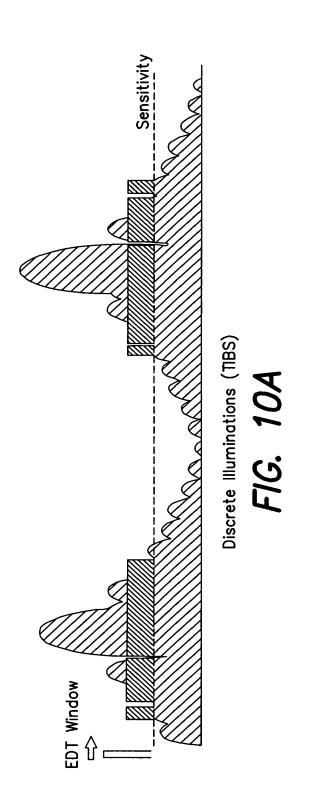
GOUNALIS, Anthony J. Serial No.: 10/675,390



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GOUNALIS, Anthony J. Serial No.: 10/675,390 Docket No.: L0562.70040US00



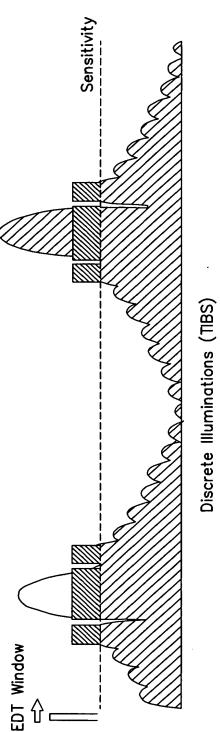
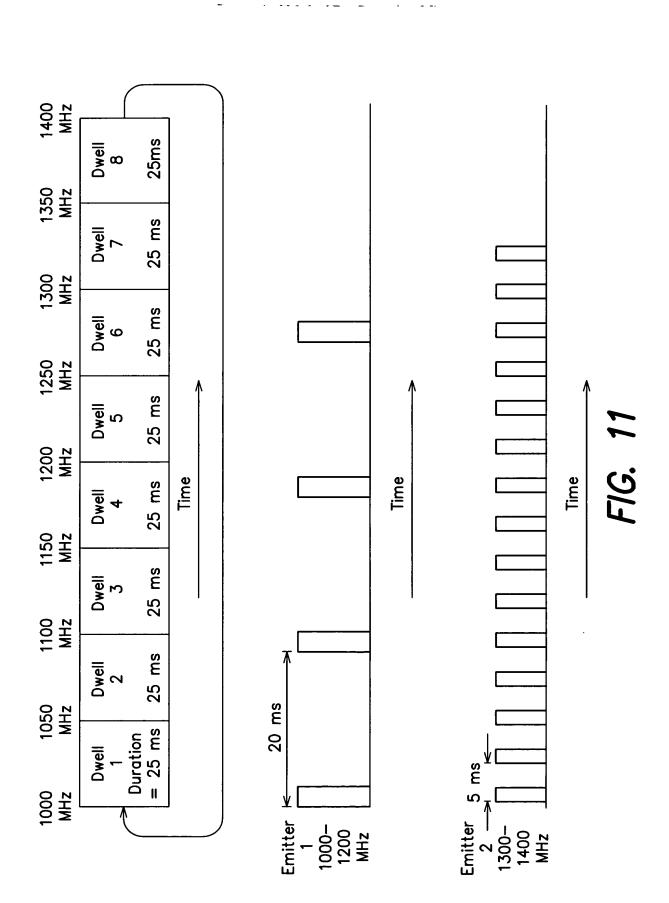
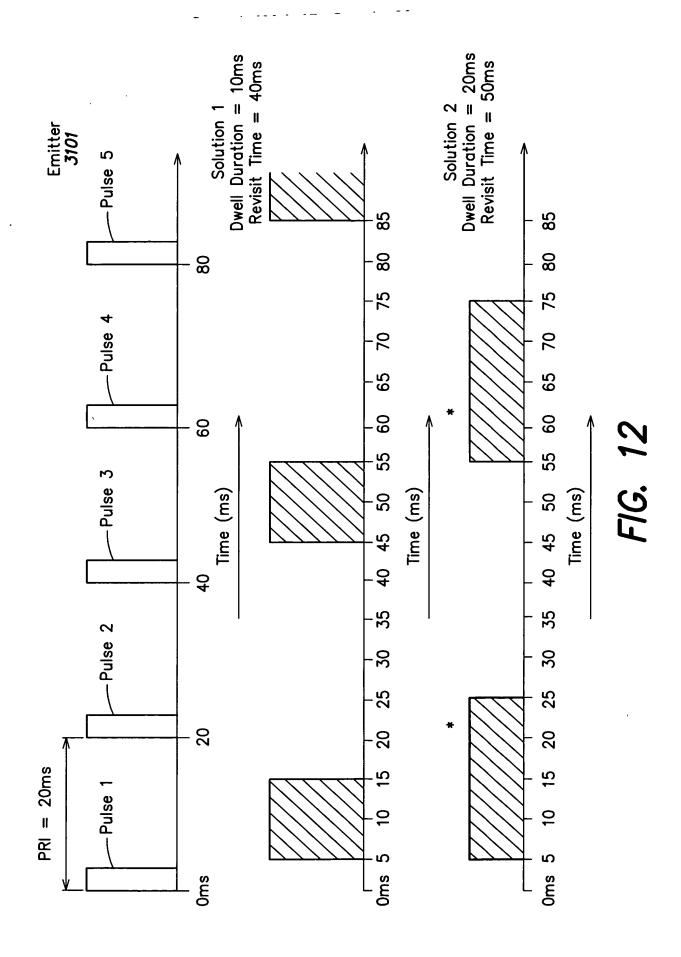


FIG. 10B

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Min MDT (ms)	3	S	7	4
RF Max (MHz)	1300	1350	1810	1860
RF Min (MHz)	1000	1220	1510	1730
Detecting Method 2 30MHz IF/ 15MHz VBW RVT	650 ms	780 ms	330 ms	390 ms
Detecting Method 1 250MHz IF/ 15MHz VBW RVT	100 ms	120 ms	110 ms	130 ms
Emitter Name	E1	E2	E3	E4

FIG. 13

System And Method For Correction Of Discontinuities In An Antenna Model GOUNALIS, Anthony J. Serial No.: 10/675,390 Docket No.: L0562.70040US00

			Solution 1		1270		C 20;+1100	7 101800	Total	$= 31/650 \approx .048$
1250		-		]	į	Dwell 9	DD Max 5	RVTMin	650	F Cost 5/650
					1210 1240	Dwell 8	DD <sub>Max</sub>	RVTMin	650	+ Cost + 5/650
					1180 12	Dwell 7	DD <sub>Max</sub>	RVTMin	650	. Cost + 3/650
				.05		Dwell 6	DD <sub>Max</sub>	RVTMin	650	Cost +
	Dwell 1	$DD_{Max} = 5$	$RVT_{Min} = 100$	Cost = 5/100 = .05	20 1150	Dwell 5	DD Max	RVT <sub>Min</sub>	650	- Cost + 3/650
	Ó	DDM	RVT	Cost =	90 1120	Dwell 4	DD Max 3	RVTMin	650	Cost +
					1060 1090	Dwell 3	DD <sub>Max</sub>	RVT <sub>Min</sub>	650	+ Cost + 3/650
					1030 100	Dwell 2	DD Max	RVTMin	650	+ Cost + 3/650
3				:	00 10.	Dwell 1	DD Max	RVTMin	650	Cost + 3/650

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		4 - 1 - 0	Solution	
1760	Dwell 1	DD <sub>Max</sub> = 4 ms	RVT <sub>Min</sub> = 330 ms	$Cost = 4/330 = .01\overline{2}$

	5 cci+1100		
Dwell 9	DD Max	RVT <sub>Min</sub> 330 ms	
Dwell 8	DD Max 4	RVT <sub>Min</sub> 330 ms	
Dwell 7	DD <sub>Max</sub>	RVT <sub>Min</sub> 330 ms	
Dwell 6	DD Max 2	RVT <sub>Min</sub> 330 ms	
Dwell 5	DD Max	RVT <sub>Min</sub> 330 ms	
Dwell 4	DD Max 2	RVT <sub>Min</sub> 330 ms	] .
Dwell 3	DD Max	RVT <sub>Min</sub> 330 ms	
Dwell 2	DD <sub>Max</sub>	RVT <sub>Min</sub> 330 ms	
Dwell 1	DD Max	RVT <sub>Min</sub> 330 ms	
	Dwell 1 Dwell 2 Dwell 3 Dwell 4 Dwell 5 Dwell 6 Dwell 7 Dwell 8 Dwell 9	Db Max         Db Max<	Dwell 2         Dwell 3         Dwell 4         Dwell 5         Dwell 6         Dwell 7         Dwell 8           DD Max 2         A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

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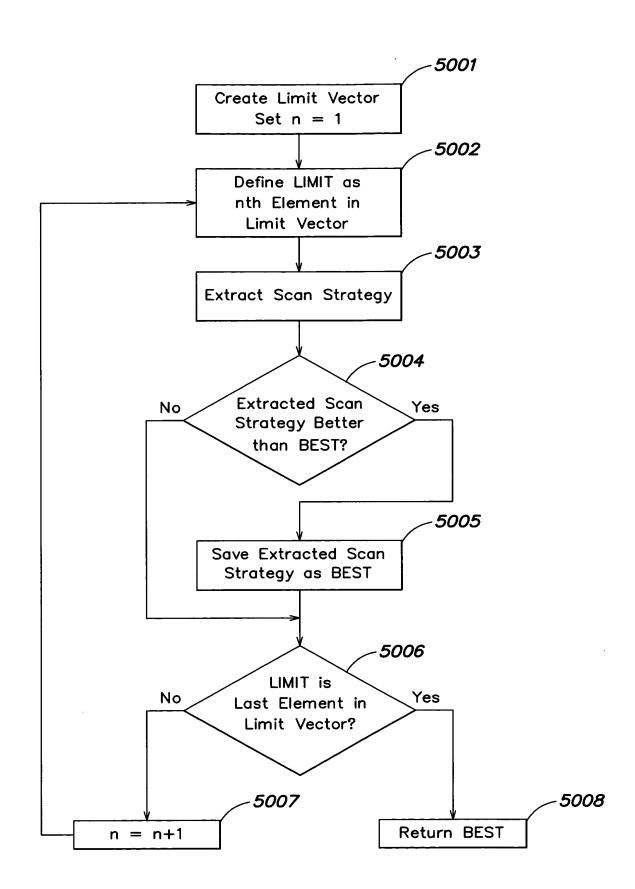


FIG. 15

Serial No.: 10/675,390 Docket No.: L0562.70040US00

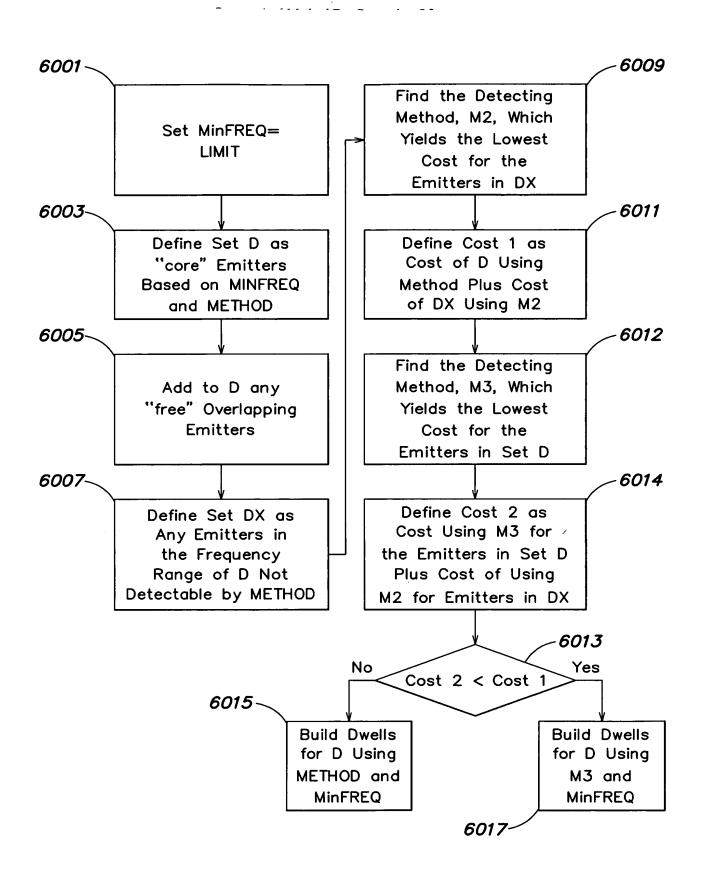


FIG. 16

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 Name
 RF Min
 RF Max

 E1
 1100
 1200

 E2
 1150
 1250

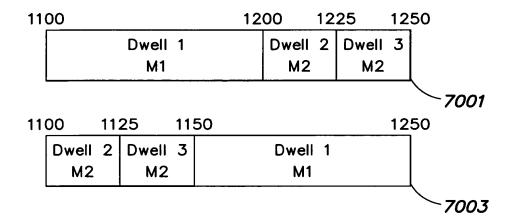


FIG. 17

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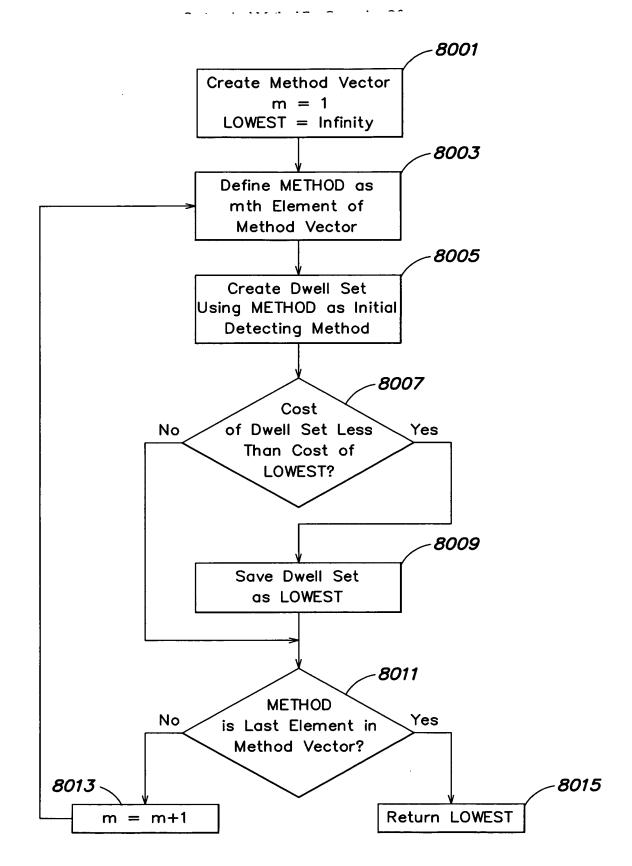


FIG. 18

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. ... . - -

Emitter	Dwell Duration (ms)	Revisit Time (ms)			
Emitter 1	1	500			
Emitter 2	2	1200			

FIG. 19

Emitter	Dwell Duration (ms)	Revisit Time (ms)	Cost
Emitter 1	1	500	.002
Emitter 2	5	1000	.005

FIG. 20

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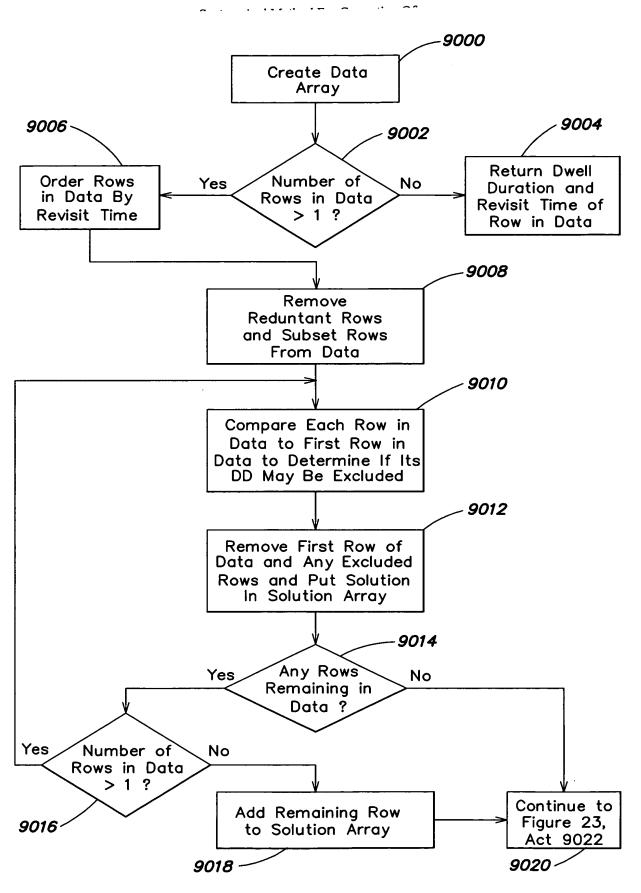


FIG. 22

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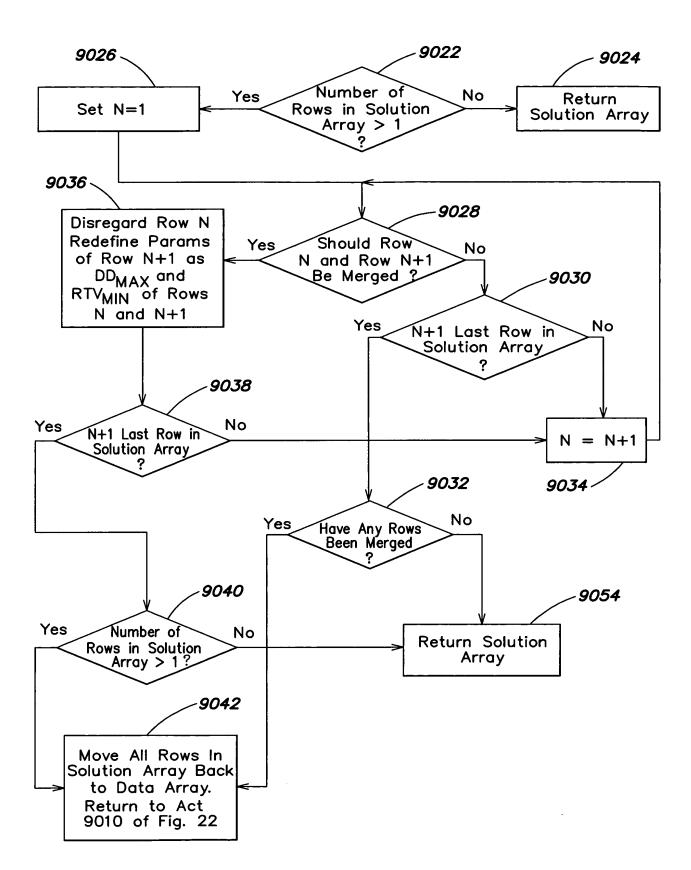


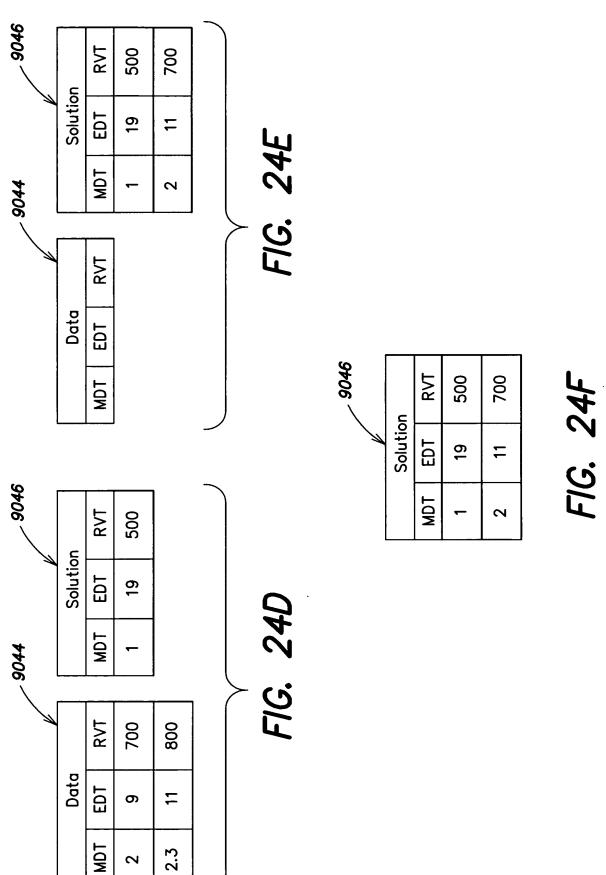
FIG. 23

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						- 9051	- 9052		
9044		RVT	200	700	800	2000	2868		
	Data	EDT	7	თ	11	19	17		
		MDT	-	2	2.3	3	3.05		
9044						-9048	9049	- 9050	
		RVT	200	700	800	1000	2000	2000	2868
	Data	EDT	7	6	11	3.5	19	19	17
		MDT	1	2	2.3	0.5	3	3	3.05
9044									
		RVT	2868	2000	2000	200	700	800	1000
	Data	EDT	17	19	19	7	თ	11	3.5
		MDT	3.05	3	3	-	2	2.3	0.5

FIG. 24C

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9070

1 2 3 4 5 6 7 8 9 10 11 12

9072

1 2 3 4 5 6 7 8 9 10 11 12

Emitter #1

Emitter #2

Frequency

FIG. 25

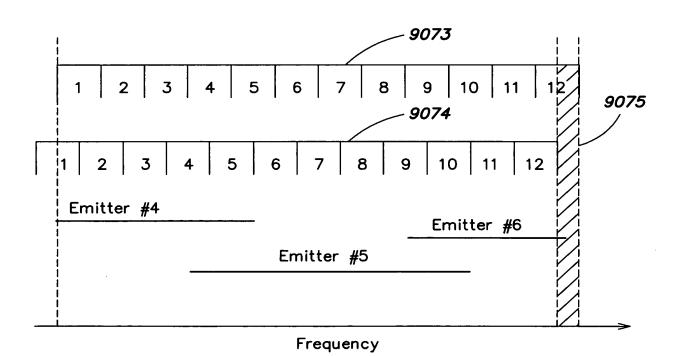


FIG. 26

Serial No.: 10/675,390 Docket No.: L0562.70040US00

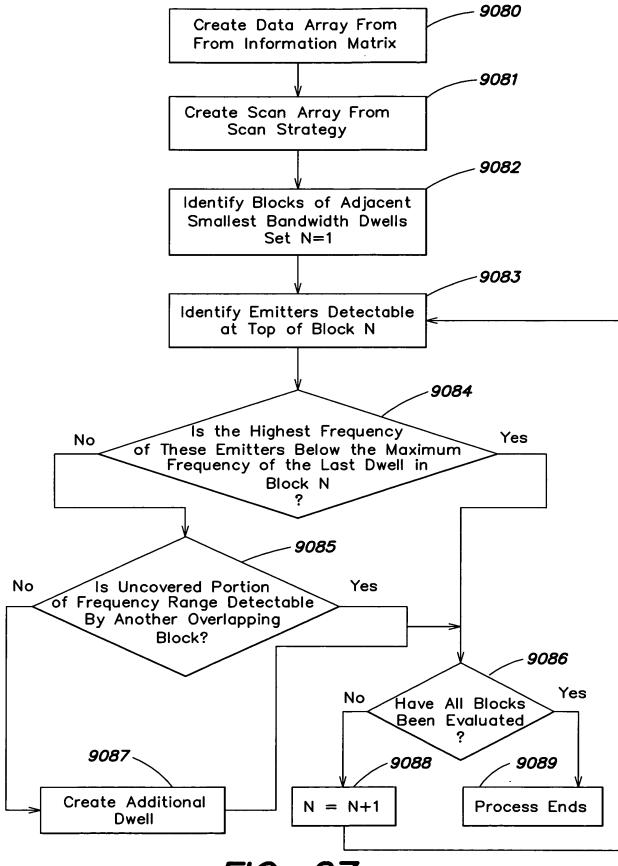
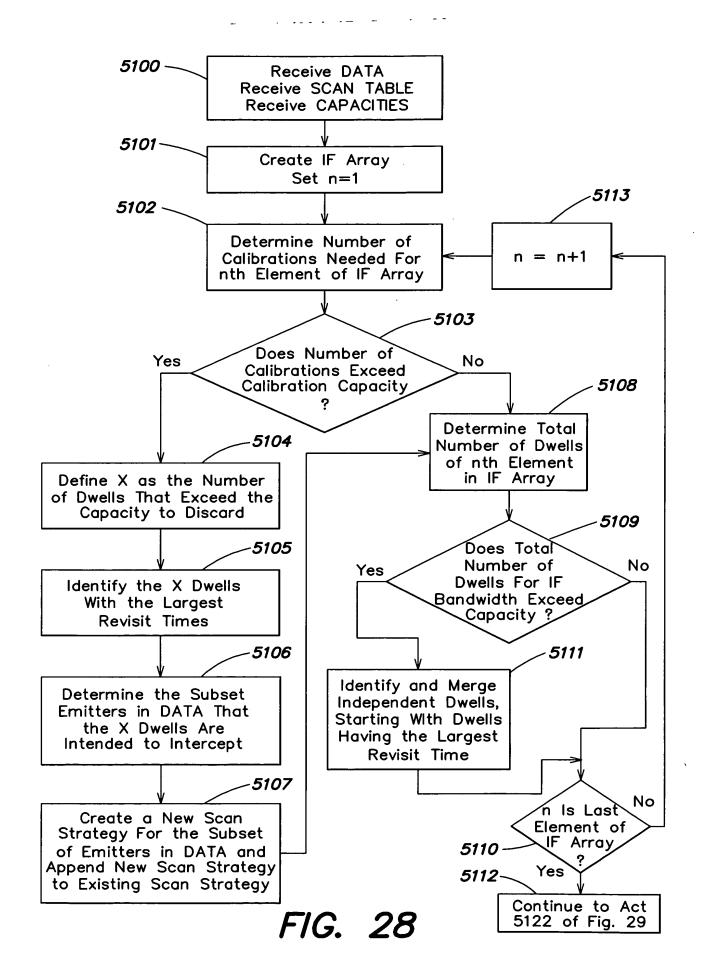


FIG. 27

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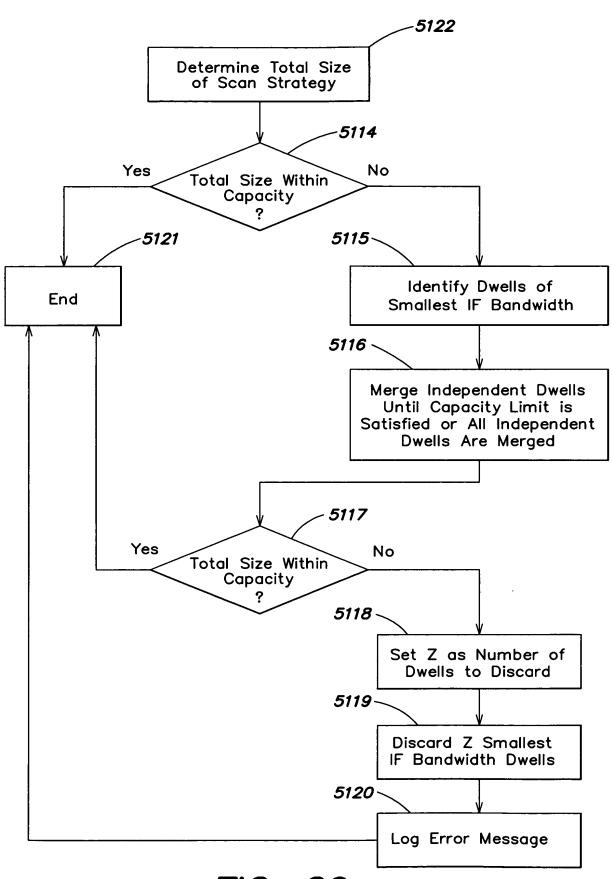


FIG. 29

System And Method For Correction Of Discontinuities In An Antenna Model GOUNALIS, Anthony J. Serial No.: 10/675,390 Docket No.: L0562.70040US00

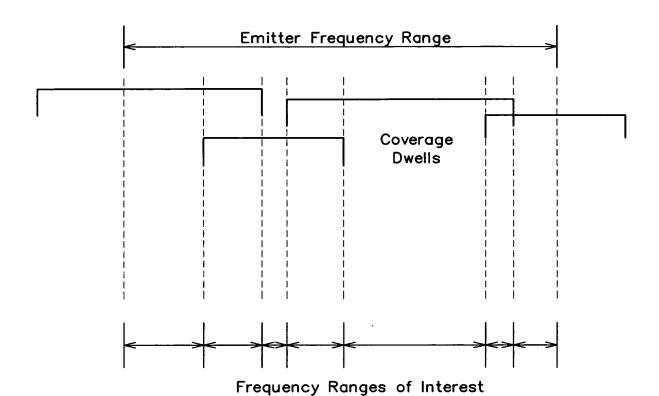
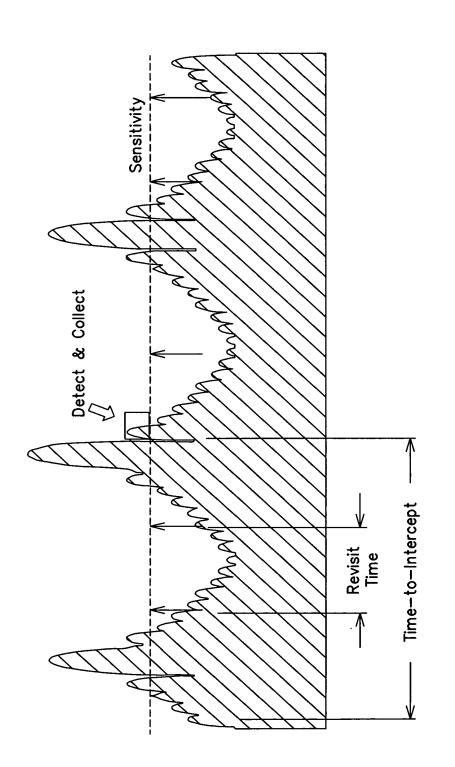


FIG. 30

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